IUPAP-WG14 – 23RD - MEETING MINUTES - DRAFT

Meeting Date: 17 February, 2026

Location: https://ess-eu.zoom.us/j/6420621364

Chairman: Christine Darve

Secretary: Christine Darve & Frank Tecker

Attendees on February 17 @ 10 am CET

Bob Bingham	STFC, UK	Michael Moyers	SPHIC, CN
Simon Connell	UJ, SA	Mitko Oldfield	UM, AU
Christine Darve	ESS, SE	Liangting Sun	IMP, CN
Peter McIntosch	STFC, UK	Frank Tecker	CERN, CH

Attendees on February 17 @ 5 pm CET

Bob Bingham	STFC, UK	Anke-Susanne Müller	KIT, DE
Christine Darve	ESS, SE	Tsuneyuki Ozaki	INRS, CA
Oliver Kester	TRIUMF, CA	Frank Tecker	CERN, CH
Michael Moyers	SPHIC, CN		

Meeting #23 of the IUPAP Working Group 14 (WG14) was organized as a staggered session to accommodate the global time zones of WG14 Executive Committee members.

All related materials, supporting documents, and recordings are available on Indico:

- **Tuesday, Feb. 17, 10:00 AM CET – Preparation:** https://indico.global/event/16400/
- **Tuesday, Feb. 17, 5:00 PM CET:** https://indico.global/event/16401/

To ensure continuity and timely progress of WG14 activities, additional exchanges among committee members occur between our meetings.

Collaborative resources are accessible to WG14 members via **CERNBox** and **Google Drive**.

Note: As of March 3, 2026, CERN has migrated our webpage from Drupal to WordPress. Please check : Webpage **IUPAP - International Union of Pure and Applied Physics WG14 - Accelerator Science** .

A few minor issues remain (e.g., logo and page numbering), which will be corrected as soon as possible.

1. APPROVAL OF EARLIER MINUTES AND ACTION ITEMS¶

Minutes of Meeting #22 (MoM #22), held on **December 9, 2025**, were reviewed and approved. The corresponding **Action Items** were discussed as follows:

➔ **Action Item 1 – Ongoing:** Michael Moyers to coordinate and complete the ***"Report on Recent Developments in Accelerators for Therapy and Radiobiological Studies".*** The final article will be available on our web page and will be published in a later edition of IPAC.

➔ **Action Items 2 & 4 – Completed:**
The **Accelerator Engagement Ambassador Initiative** has been selected and the LinkedIn page created. Activities are ongoing; see agenda here:
https://www.linkedin.com/company/111529219/admin/dashboard/

➔ **Action Item 3 – Ongoing : To be agreed by IUPAP Executive Meeting #35,** scheduled in the fall of **2026**. Proposed text to summarize WG14 Scope and Mandate:

- ***Knowledge exchange:*** *Foster collaboration among scientists and accelerator lab directors worldwide to advance particle accelerator innovation.*
- ***Talent development:*** *Verify feasibility to train early-career scientists through lab-university collaborations, providing access to leading experts, equipment, and techniques.*
- ***Promote applications:*** *Support accelerator uses in industrial, medical, energy, and environmental sectors.*
- ***Resources & communication:*** *Develop networks (e.g., Ambassadors), webpages, and conference presence to share scientific advancements and societal impacts.*
- ***Sustainability alignment:*** *Map and review accelerator applications supporting SDGs, including life sciences, healthcare, research, and technology.*
- ***Community cohesion:*** *Organize conferences, workshops, and forums to unify the global accelerator community.*
- ***Accelerate progress:*** *Facilitate information sharing, joint procurement, and exchange of equipment, ideas, and personnel among labs globally."*

➔ **Action Item 5 – Completed:** Explore connections with African initiatives supporting accelerator development and team building, including: "Africa Initiative III Launched Under Horizon Europe Work 2025" ; Note that information has been shared with ASP - African School of Fundamental Physics and Applications and with the African Strategy for Fundamental and Applied Physics (ASFAP)

2. ACCELERATORS ENGAGEMENT AMBASSADORS' INITIATIVE

Mitko provided a verbal summary of the progress with the elected Ambassadors. A new **LinkedIn page** is now live, and each Ambassador has been highlighted: LinkedIn Dashboard.

WG14 encourages everyone to promote this visibility within their networks. We also take this opportunity to recall the list of our Ambassadors:

- Jade Fischer & Olivia Masella (Canada)
- Dr Maria Paula Rey-Barrera (Colombia / Switzerland)
- Dr Hannah Wakeling (United Kingdom)
- Annabella Zamora (Switzerland)
- Dr Sanae Samsam (Morocco / Italy)

Several meetings are scheduled with this new dynamic team:

- **February 24–25, 2026:** The **Ambassador Group Meeting** took place, providing an opportunity for the ambassadors to meet each other. See related LinkedIn post (25/2/2026).
- **April 22, 2026:** A wider **WG14 Science Communication Workshop** is scheduled for ambassadors and WG14 team, and open to a wider audience. See LinkedIn Post (31/03/2026)

Note that the non-selected candidates have been contacted and invited to remain connected through the WG14 network, allowing continued information exchange and visibility.

"Further details are available on our WG14 website under the Activities section: Accelerator Engagement Ambassadors Initiative (IUPAP WG14).

IUPAP will also be present at the 2nd International Accelerator Conference organized by the IAEA, to be held June 22 - 26, 2026 in Vienna**.**

Boris Sharkov will be delivering **three awards** and hosting a **stand** to raise visibility.

It was agreed that **WG14 will support the attendance of one of our Ambassador, Sanae Samsam** WG14 will prepare a **leaflet** to be distributed during this event. Christine may also attend that conference.

3. IPAC2026 PREPARATION

The **International Particle Accelerator Conference (IPAC2026)** will take place in **Deauville, France, from May 17 to 22, 2026**. We confirm the following key points:

1. **Annual WG14 Executive Committee Meeting**
   - **Date & Time:** Wednesday, May 20, 2026, 16:00–18:00
   - **Notes:** The meeting will follow the Industry Workshop and coincide with the awarding of the Hackathonino winners. Frank has confirmed the meeting.
2. **Introduction of Hackathonino (WG14 Meeting #23) – Proof of Concept**
   - **Start:** Sunday, May 17, 11:00 AM
   - **Overview:** Students will be introduced to the Hackathonino before their poster session. Teams will be formed, and topics will be selected. Students may also propose their own challenges or case studies. We are currently gathering challenges and case studies.
3. **In addition : Presentation of "IUPAP WG14 on Accelerator Science"** during the IPAC-CC Meeting which will take place on Tuesday 19th May at 13:10 (10 min) CEST at the Indiana Jones room (Conference venue).

Details and examples of proposed Challenges are available on the web page Hackathonino (IUPAP-WG14). For instance, we are considering the following Challenges:

- **ESS Proposal:** Define and design a new Repair Station for testing SRF cavities, cryomodules, and accelerating structures (RFQ, etc.) in a new facility.
- **Operation:** warm linac operation (by SNS).
- **Laser/Beam Optimization:** Bob Bringham will provide challenges and ideas using laser and ML for beam optimization (GeV beam 10–100 Hz).
- **Operational/Software Challenges:** Preparation of OPI for iPhone or use of ML to define operator procedures from logbook events (similar to SNS).

➔ **Call for Case Studies / Challenges:** Please fill the Challenge Proposal form.doc and email it to christine.darve@ess.eu.

For **Programming Tools:** Students may use Jupyter or Python, as suggested by Simon Connell.

AI & Accelerator Optimization: Anke-Susanne to share examples and connections to a new EU consortium related to AI.

WG14 has agreed to financially support Thibault Fredon's registration fee to IPAC2026. Thibault, Suzie and other colleagues, togther with several Accelerator Ambassadors, will actively be contributing to the event.

An email will be sent to registered students and participating industries shortly. Groups will be formed accordingly.
➔ You are all warmly encouraged to share the information with your own students.

Industry Engagement:

- Companies are invited to participate and support Hackathonino as needed. Please refer and/or improve the link: Call for Corporate Engagement
- ***Scandinova*** has confirmed support for up to 50 Sunday morning lunch boxes (€20 each). A meeting between Scandinova management and Christine took place in February 2026 during the Swedish Big Science Forum.
- *Accelerator Science and Technology Industry Permanent Forum (**AIPF**)* is supporting Hackathonino by promoting the event and advising on intellectual property issues.
- ***Big Science Sweden*** has expressed interest in collaborating.

- Christoph Quitmann gauged interest from the German Physical Society during a meeting, although only the webpage is available as a communication tool.
- CosyLab initially proposed a short introduction video demonstrating a versatile tool for students; however, *ReqFlow* may be used at IPAC2027 due to timing constraints.

4. AOB – STATUS OF EACH LAB AND EXPRESSION OF INTEREST

The new IUPAP **Standing Committee (SC) on Major Neutron Research Facilities** is progressing well. **Fulvia Pilat** (SNS) has agreed to chair the committee, and we look forward to strengthening our relationship with this complementary team. IUPAP is currently preparing the new team structure, based on proposals presented at ICNS last June. Additional meetings are ongoing between Christine and Fulvia, who was unable to attend our meeting on February 17 due to health issue. She will provide information on the committee's development during WG14 **Meeting #24 , scheduled on Monday April 27th.**

To support the WG14 transition to a Standing Committee and to converge on the proposed scope (see Action Item #3), future meetings will be organized to allow each lab to present its ideas and priorities. This approach will provides member with the opportunity to showcase their research and align it with IUPAP's objectives and future accelerator needs.

Sekazi Mtingwa has resigned from his role as the US representative to IUPAP.

The next stagged meeting #24 is scheduled on:

- Preparatory: Monday April 27th at 10 am CEST : https://indico.global/event/17403/
- Monday April 27th at 5 pm CEST : https://indico.global/event/17404/